

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/50592

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/17 A61K9/14 A61K9/16 A61K9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO. US; LANGE, ROBERT: "Interleukin 4 receptor Immunex Corp" retrieved from STN Database accession no. 132:220921 CA XP002216866 abstract & CURRENT OPINION IN CARDIOVASCULAR, PULMONARY & RENAL INVESTIGATIONAL DRUG (1999), 1(4), 526-531 , 1999,</p> <p style="text-align: center;">--- -/--</p>	1-43



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

18 October 2002

Date of mailing of the international search report

31/10/2002

Name and mailing address of the ISA

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INT NATIONAL SEARCH REPORT

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PCT/US 01/50592

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 599 905 A (B.MOSLEY ET AL.) 4 February 1997 (1997-02-04) cited in the application claims 1,4,9,19 column 15, line 61 -column 16, line 22 ---	1-43
A,P	WO 01 62272 A (IMMUNEX) 30 August 2001 (2001-08-30) claims 1,2,5,7,8,12,13 ---	1-43
A,P	WO 01 08708 A (CASE WESTERN RESERVE UNIVERSITY) 8 February 2001 (2001-02-08) claims 1,6,10,12,16,28,32-35,41,55,63,73,74 -----	1-43

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/50592

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5599905	A	04-02-1997	US 5840869 A	24-11-1998
			US 5717072 A	10-02-1998
			US 5767065 A	16-06-1998
			US 5856296 A	05-01-1999
			US 6391581 B1	21-05-2002
			AT 153068 T	15-05-1997
			AU 643427 B2	18-11-1993
			AU 4411389 A	28-05-1990
			DE 68928043 D1	19-06-1997
			DE 68928043 T2	11-09-1997
			DK 78491 A	30-04-1991
			EP 0367566 A1	09-05-1990
			ES 2103706 T3	01-10-1997
			FI 106044 B1	15-11-2000
			GR 3024271 T3	31-10-1997
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			IL 91705 A	27-12-1998
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			NO 911713 A	30-04-1991
			NZ 231189 A	25-06-1991
			WO 9005183 A1	17-05-1990
			ZA 8908014 A	31-10-1990
WO 0162272	A	30-08-2001	US 2001021380 A1	13-09-2001
			AU 4363200 A	02-11-2000
			AU 4533601 A	03-09-2001
			EP 1171148 A2	16-01-2002
			WO 0062790 A2	26-10-2000
			WO 0162272 A2	30-08-2001
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			EP 1200616 A2	02-05-2002
			WO 0108708 A2	08-02-2001

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 0075. PCT	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/US 01/ 50592	International filing date (day/month/year) 21/12/2001	(Earliest) Priority Date (day/month/year) 21/12/2000
Applicant INHALE THERAPEUTIC SYSTEMS, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.